UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,750	10/29/2003	Brian D. Peavey	10991191-2	8767

7590 11/30/2006	EXAMINER
HEWLETT-PACKARD COMPANY	EBRAHIMI DEHKORDY, SAEID
Intellectual Property Administration	
P. O. Box 272400	ART UNIT PAPER NUMBER
Fort Collins, CO 80527-2400	2625

DATE MAILED: 11/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
~~Supplemental~~ *Supplemental*	10/697,750	PEAVEY ET AL.
Office Action Summary	Examiner	Art Unit	
	Saeid Ebrahimi-dehKordy	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-33* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-33* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *10/29/03* is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____ .

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1, 3-4, 6-8, 10-16 and 18-33 are rejected under 35 U.S.C. 102(e) as being

anticipated by Aoyagi et al (U.S. patent 5,982,999)

Regarding claim 1 and 28 Aoyagi et al disclose: An image forming system comprising:

A host computer (please note Fig.1 item 100 the computer) including:

A memory device configured to store original data (please note Fig.2 items 201,202

and 102 column 6 lines 55-67 and column 7 lines 1-20) and an interface configured to

receive edits of the original data providing edit data (please note Fig.4 item 407 the

interface which interacts with the printer column 8 lines 35-45) and

An image forming device including: An input coupled with the host computer and

configured to receive the original data and the edit data (please note Fig.3 column 7

lines 34-40) a processor configured to process the original data prior to the image

forming device receiving the edit data and to process the edit data after the processing

the original data (please note Fig.5 column 18 lines 52-67 and column19 lines 1-16 and

37-48 where original image data and edited image data are processed) and an image

engine configured to form an image corresponding to the processed original data and the processed edit data (please note column 7 lines 40-45).

Regarding claim 3 Aoyagi et al disclose: The system according to claim 1 wherein the interface of the host computer and the input of the image-forming device are individually configured to receive commands and the image engine is configured to form the image responsive to the commands (please note column 12 lines 36-42).

Regarding claims 4 and 10 Aoyagi et al disclose: The system according to claim 1 wherein the image engine comprises a print engine configured to form the image upon media (please note column 7 lines 40-47).

Regarding claim 6 Aoyagi et al discloses: An image forming method comprising: Providing an image forming device (please note Fig.3) first receiving original data within the image forming device (please note column 18 lines 52-55) first processing the original data using the image-forming device (please note column 18 lines 52-55) Second receiving edit data of the original data within the image Forming device (please note column 18 lines 55-58) second processing the edit data using the image forming device (please note column 18 lines 65-67 and column 19 lines 1-4) and forming an image after the processing corresponding to the original Data and the edit data (please note column 19 lines 5-16).

Regarding claim 7 Aoyagi et al disclose: The method according to claim 6 further comprising receiving an image command after the first receiving (please note column (please note column 12 lines 36-42).

Regarding claim 8 Aoyagi et al disclose: The method according to claim 6 further

comprising receiving an image command after the second receiving (please note

column 12 lines 36-42).

Regarding claim 11 Aoyagi et al disclose: The method according to claim 6 further

comprising: providing a host computer (please note Fig.1 item 100) and executing

image specification instructions using the host computer providing the original data and

the edit data (please note Fig.2 column 7 lines 10-20).

Regarding claim 12 Aoyagi et al disclose: The method according to claim 6 wherein

the first processing comprises beginning processing before the second receiving

(please note column (please note column 18 lines 53-67).

Regarding claim 13 Aoyagi et al disclose: The method according to claim 6 wherein

the second receiving comprises receiving after the first receiving of the entire original

data (please note column 19 lines 1-16).

Regarding claim 14 Aoyagi et al disclose: An image forming method comprising:

providing a host computer (please note Fig.1 item 100) providing an image forming

device (please note Fig.1 item 101) providing original data using the host computer first

applying the original data to the image forming device (please note column 18 lines 53-

55 where the image reader in the computer puts the data out to the image forming

device item 101 of Fig.1) Processing the original data using the image-forming device

(please note Fig.3 item 301 "image processing unit" where the original data gets

processed column 7 lines 35-43) Editing the original data providing edit data using the

host computer (please note column 18 lines 55-56 where the editor is designated in the

host computer to edit the original data) Second applying the edit data to the image-forming device (please note column 18 lines 66-67 and column 19 lines 1-2) Processing the edit data using the image forming device after the Second applying (please note column 19 lines 2-4) and forming an image according to the original data and the edit data after the processing (please note column 19 lines 4-16 where the image gets printed by the printer).

Regarding claim 15 Aoyagi et al disclose: The method according to claim 14 further comprising applying an image command to the image-forming device using the host computer after the first applying and the forming is responsive to the applying the image command (please note column 12 lines 35-42 where the execution of mode setting is determined by the host computer).

Regarding claim 16 Aoyagi et al disclose: The method according to claim 14 further comprising applying an image command to the image-forming device using the host computer after the second applying and the forming is responsive to the applying the image command (please note column 12 lines 35-42).

Regarding claim 18 Aoyagi et al disclose: The method according to claim 14 wherein the forming comprises forming the image upon media using a print engine (please note column 7 lines 40-47).

Regarding claim 19 Aoyagi et al disclose: The method according to claim further comprising executing image specification instructions using the host computer providing the original data and the editing (please note column 20 lines 61-67 and column 21 lines 1-7).

Regarding claim 20 Aoyagi et al disclose: The method according to claim 14 wherein the processing the original data comprises beginning processing before the second applying (please note column 19 lines 1-15).

Regarding claim 21 Aoyagi et al disclose: The system according to claim 1 wherein the interface is configured to receive the edits comprising edits of content of the original data (note column 18 lines 52-65).

Regarding claim 22 Aoyagi et al disclose: The system according to claim 1 wherein the interface is configured lo receive the edit comprising edits entered by a user (note 18 lines 52-67 and column 19 lines 1-13).

Regarding claim 23 Aoyagi et al disclose: The system according to claim 1 wherein the image engine is configured to form the image using the processed original data and the processed edit data (note column 19 lines 1-16).

Regarding claim 24 Aoyagi et al disclose: The system according to claim 1 wherein the interface is configured to receive the edits comprising edits of Less than all of the original data (note

Regarding claim 25 Aoyagi et al disclose: receiving comprises the original data. The method according to claim 6 wherein the second receiving the edit data comprising edit data of content of the original data (note column 18 lines 55-65).

Regarding claim 26 Aoyagi et al disclose: The method according to claim 1 4 wherein the editing comprises editing content of the original data (note column 18 lines 52-62).

Regarding claim 27 Aoyagi et al disclose: The method according to claim 14 wherein the editing comprises editing responsive to edits indicated by a user (note column 18 lines 52-67 and column 19 lines 1-15).

Regarding claim 29 Aoyagi et al disclose: The device according to claim 28 wherein the processing circuitry is configured to rasterize the original data and the edit data to process the original data and the edit data (note column 19 lines 1-15).

Regarding claim 30 Aoyagi et al disclose: The device according to claim 28 wherein the processing circuitry is configured to initiate the processing of the original data before creation of the edit data using the host (note column 18 lines 52-61).

Regarding claim 31 Aoyagi et al disclose: The method according to claim 6 wherein the forming comprises combining the processed original data and the processed edit data (note column 19 lines 1-12).

Regarding claim 32 Aoyagi et al disclose: The method according to claim 6 wherein the image forming device is configured to initiate the first processing of the original data before creation of the edit data (note column 18 lines 52-67 and column 19 lines 1-15).

Regarding claim 33 Aoyagi et al disclose: The method according to claim 6 further comprising modifying the original data using the edit data after the processing of the original data, wherein the modifying comprises modifying using the image forming device (note column 19 lines 1-15).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

4.   Claims 2,5, 9 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Aoyagi et al (U.S. patent 5,982,999) in view of Kishida (U.S. patent 5,995,722).

Regarding claim 2 Aoyagi et al dose not disclose The system according to claim 1

wherein the processor of the image-forming device is configured to rasterize the original

data and the edit data to provide the processing.

On the other hand Kishida discloses: The system according to claim 1 wherein the

processor of the image-forming device is configured to rasterize the original data and

the edit data to provide the processing (please note Kishida where Kishida teaches the

rasterization of data just before transferring to the print engine column 8 lines 15-34).

Therefore it would have been obvious to a person of ordinary skill in art at the time of

the invention to modify Aoyagi et al's invention according to the teaching of Kishida,

Kishida in the same field of endeavor teaches the printers that are selectively switched,

according to the type of an input to them, between the function of providing an

economical color printing an image printer offers the function of providing the high

resolution by means of PDL in the way a page printer works.

Regarding claim 5 Kishida discloses: The system according to claim 1 wherein the host computer includes a processor configured to execute image specification instructions and printer driver instructions (please note column 8 lines 8-34).

Regarding claim 9 Kishida discloses: The method according to claim 6 wherein the first processing and second processing individually comprise rasterizing (please note Kishida where Kishida teaches the rasterization of data just before transferring to the print engine column 8 lines 15-34).

Regarding claim 17 Kishida discloses: The method according to claim 14 wherein the processing individually comprise rasterizing (please note Kishida where Kishida teaches the rasterization of data just before transferring to the print engine column 8 lines 15-34).

Contact Information

➢ Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (571) 272-7462.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (571) 272-7471.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

(571) 273-8300, (for *formal* communications; please mark
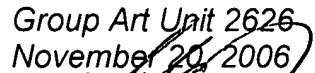**"EXPEDITED PROCEDURE")**

Or:

(703) 306-5406 (for *informal* or *draft* communications, please label
"PROPOSED" or "DRAFT")
Hand delivered responses should be brought to Knox building on 501 Dulany
Street, Alexandria, VA.

Any inquiry of a general nature or relating to the status of this application should be
directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
November 20, 2006

KING Y. POON
PRIMARY EXAMINER